



## DATASHEET

### TRASSIR NeuroStation 8600R/64



**TRASSIR NeuroStation 8600R/64** is a network video recorder for IP-cameras under TRASSIR OS (Linux). Supports processing video analytics based on neural networks<sup>1</sup>. Up to 64 IP cameras are available for recording and playback. The installation of up to 6 3.5" HDDs is available. Can be installed in 19", 2U rack. Supports offload analytics (receiving and processing images transmitted from other TRASSIR servers).

### Rera panel<sup>2</sup>



1. 220V power supply
2. PS/2 (keyboard or mouse)
3. USB 2.0
4. Video output interfaces
5. USB 3.1
6. RJ-45 for Ethernet
7. USB 3.0
8. Audio inputs / outputs

### Basic equipment

- Network video recorder (assembled and packaged) ..... 1pcs.
- Mouse (USB) ..... 1pcs.
- Keyboard (PS/2)..... 1pcs.
- Power cord ..... 2pcs.
- Video recorder rack mounting rails kit ..... 1pcs.
- Datasheet ..... 1pcs.
- Warranty card ..... 1pcs.

### Warranty service

- Specify the information about the warranty on [www.trassir.com](http://www.trassir.com).

<sup>1</sup> A complete list of supported video analytics modules can be found on [www.trassir.com](http://www.trassir.com).

<sup>2</sup> All rights reserved. Design and specifications are subject to change without notice..

# Specification

		General
<b>Operating system</b>	TRASSIR OS (based on OS Linux)	
<b>IP video input</b>	Up to 64 IP channels	
<b>Working temperature</b>	10...30°C	
<b>USB interfaces</b>	2 USB 3.0 (Type A), 2 USB 2.0 (Type A), 1USB 3.1 (Type A), 1USB 3.1 (Type C) on rear panel 2 USB 2.0 (Type A) on front panel	
<b>Net / Gross weight, kg<sup>3</sup></b>	16.5/18.1	
<b>Package / device dimensions (WxDxH), mm</b>	545x690x180 / 485x555x90	
		Recording
<b>Resolution of cameras</b>	No limits (depending on camera model <sup>4</sup> )	
<b>Bitrate</b>	720 Mbps	
<b>Playback rate</b>	-32x - 32x	
		Audio / Video
<b>Video compression</b>	H.265+, H.265, H.264, MPEG4 or MIPEG (depending on camera model <sup>4</sup> )	
<b>Audio compression</b>	G711a, G711u, PCM, AAC, G722.1 G726 MP2L2	
<b>Video output<sup>5</sup></b>	1x DisplayPort, 1x D-SUB (VGA), 1x DVI-D	
<b>Maximum video output resolution</b>	DVI-D, D-SUB (VGA): FullHD DisplayPort:4K	
<b>Audioinputs / Audiooutputs</b>	1 IN (jack 3.5mm) 1 OUT (jack 3.5mm)	
		Network
<b>Network interfaces</b>	2 Ethernet 10/100/1000 Mbps	
<b>Network protocols</b>	TCP/IP, IPv4/v6, UDP, DHCP, CloudConnect, DNS, NTP, SADP, SMTP, iSCSI, UPnP, HTTP/HTTPS, RTSP, ONVIF	
		Storage
<b>HDD</b>	Up to 6 HDDs	
		Power supply
<b>Power supply</b>	220V	
<b>Power consumption</b>	500 W	
		Features
<b>Remote connection</b>	Trassir client, Android / iOS mobile app TRASSIR Cloud cloud connection Up to 100 connections per server	
<b>SSL encryption support</b>	Yes	
<b>Video analytics</b>	Up to 2 channels of TRASSIR Neuro Detector (licenses included) <sup>6</sup> . Other modules are optional.	

<sup>3</sup> Depending on the accessories used, the weight of the video recorder may vary by ±10%.

<sup>4</sup> You can find the list of the supported IP cameras and available working modes on [www.trassir.com](http://www.trassir.com).

<sup>5</sup> You can connect up to 3 monitors to the video recorder.

<sup>6</sup> The number of channels may vary depending on conditions and the software version. Please contact your sales representative for exact calculations.

<b>DATE OF PRODUCTION</b>	<b>SERIAL NUMBER</b>
<div style="border: 1px solid black; border-radius: 10px; width: 90%; margin: 0 auto; height: 30px;"></div>	<div style="border: 1px solid black; border-radius: 10px; width: 90%; margin: 0 auto; height: 60px;"></div>
<b>KEY NUMBER</b>	
<div style="border: 1px solid black; border-radius: 10px; width: 90%; margin: 0 auto; height: 30px;"></div>	

## TRASSIR NeuroStation 8600R/64 server performance with video analytics:

TRASSIR module name	Description	Number of channels
Face Mask Detector	Protective face mask detector	4
Social Distance Detector	Social distance detector	11
AutoTRASSIR-30	License plate recognition up to 30 km/h	5
AutoTRASSIR-200	License plate recognition up to 200 km/h	2
Neuro Detector	Restricted Area Intrusion Detector	38
Crowd Detector	Crowd detector	64+
Queue Detector	People counter in the queue	64+
Direction Detector	Moving in forbidden direction detector	11
Neuro Counter	Zone crossing detector	11
Wear Detector	Workwear control	5
Hardhat Detector	Hardhat control	30
Staff Tracker	Staff quality tracker	16
Sabotage Detector	Video quality detector	24
Neuro Left object Detector	Left object detector	2
Bag Counter	Bag counter	2

### Notes:

- The table shows the capability of the recorder to operate with video analytics modules without displaying video on the monitor (in case one module is launched on the recorder) in the Offload mode.
- The number of channels may vary depending on conditions and the software version. Please, contact your sales representative for exact calculations.

## Combinations of TRASSIR modules compatibility on a single TRASSIR NeuroStation 8600R/64:

TRASSIR module name	Face Recognition	Face Mask Detector	AutoTRASSIR-30	AutoTRASSIR-200	Neuro Detector	Crowd Detector	Direction Detector	Neuro Counter	Social Distance	Queue Detector	Wear Detector	Staff Tracker	Hardhat Detector	Shelf Detector	Sabotage Detector	Neuro Left object Detector	Bag Counter	Pose Detector
Face Recognition	+																	
Face Mask Detector		+			+	+	+	+	+						+			
AutoTRASSIR-30			+		+	+	+	+	+	+			+		+			+
AutoTRASSIR-200				+	+	+	+	+	+	+			+		+			+
Neuro Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Crowd Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Direction Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Neuro Counter		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Social Distance		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Queue Detector			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Wear Detector					+	+	+	+	+	+	+	+	+	+	+		+	+
Staff Tracker					+	+	+	+	+	+	+	+	+	+	+		+	+
Hardhat Detector			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Shelf Detector					+	+	+	+	+	+	+	+	+	+	+		+	+
Sabotage Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Neuro Left object Detector															+	+		
Bag Counter					+	+	+	+	+	+	+	+	+	+	+		+	+
Pose Detector			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+

### Notes:

- The table shows the data from the calculation of running two different modules at an average detection rate (an "average detection quality" is selected in the module settings). For more accurate calculation of the server load and running more modules, contact your sales representative.
- You can find a complete list of modules on [trassir.com](http://trassir.com) or in the price list.